

Project No. _____

Book No. _____

TITLE _____

112

From Page No. _____

Purpose: Since results are inconclusive -- dV (new) (control gave more specific smear with Deepvent - previous (page 110) and gave the same typing smear with old + dV primers attempted to see whether this smear can be transformed into bands!

attempted few conditions: checked 2 dif amounts of template

according to NEB suggestions

200 & 100 pg

1. reduce amount of Template
 2. " " of cycles
 3. increase Mg
 4. " dNTP
- tried first 3.
20 + 30 cycles
2, 4 + 6 mM.

also included as controls were: Tag + (Tag + dV)

tried at 200 pg, 30 cycles, 200 pg dNTP with 2, 4, 6 mM

Two sets of reactions were made one with old dV & and the other with new - dV primers

Added Cocktail with different enzymes + later added more Mg accordingly. Used 10x Deepvent buffer has 2 mM Mg already.

except for the Tag + (Tag + dV) controls rest were run duplicate.

used 1:0.01 mix

94°, 3'

20 sec (94°, 30")

30 (58°, 30")

72°, 3'

Deepvent used 1 unit / reaction

dV / x

T Page 1

Witnessed & Understood by me,

Date

Invented by

Date

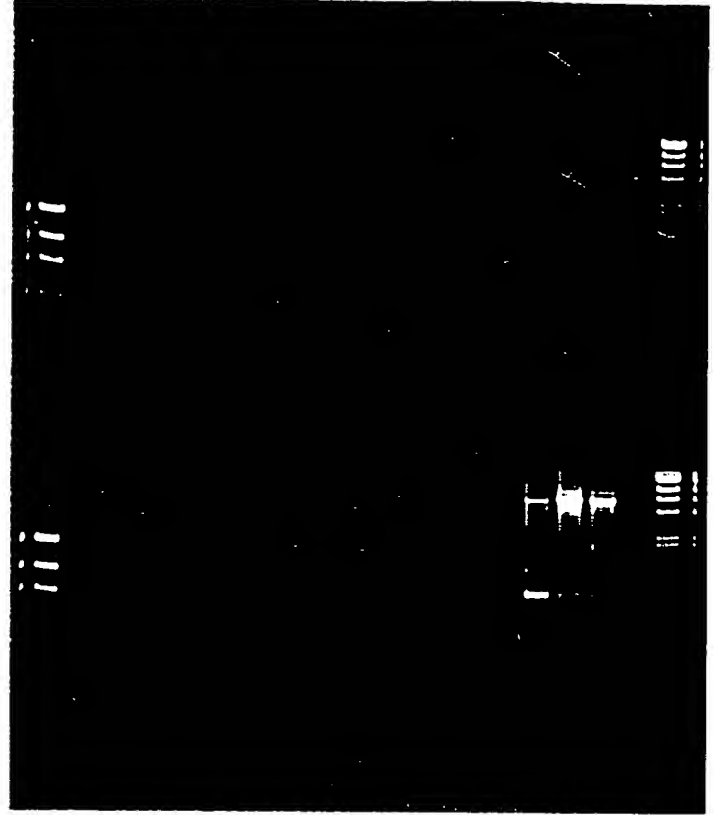
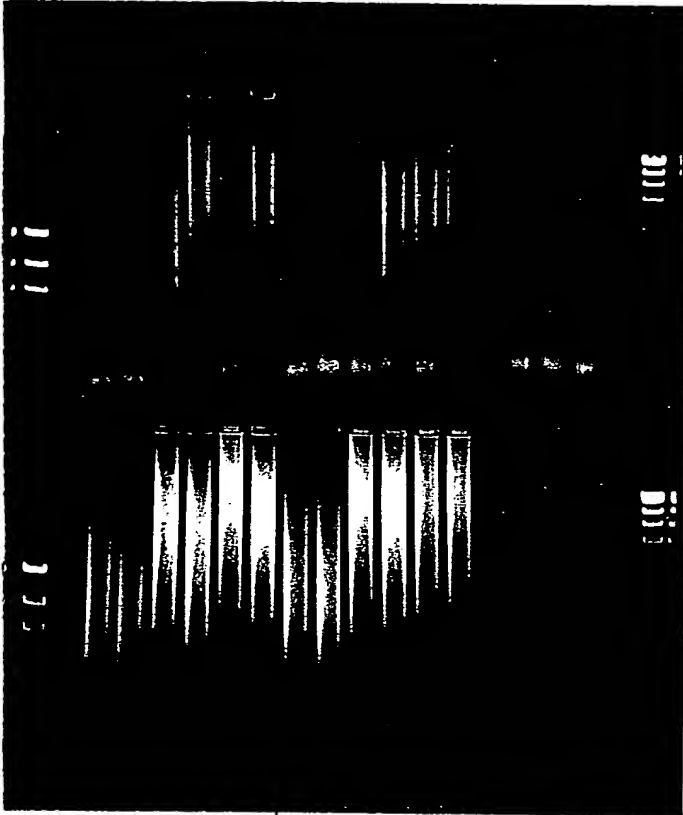
Recorded by

11/30/94

K. Silanman

age N new run dc primer Aat ii old dc primer 2728 & 2729

Deep Vent Tag 642



Pg 200. 100 642 mm tag

2 4 1 2 4 6 Tag + DV

With Deep Vent
these primers
give reminders

With Tag alone and
Tag + Deep Vent
nothing not even
remains! would
superficial

Nothing worked

Consistent
with Tag + DV
works
w/ Tag alone
it doesn't
at 58° ammonia

New primers are no good.

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ok. Sittman